

## DC-8 05/09/18

**Aircraft:** [DC-8 - AFRC](#) ([See full schedule](#))

**Flight Number:** 1260

**Payload Configuration:** ATom-4 configuration - AMP, AO2, ARMAS, ATHOS, CANOE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SO2, SOAP, SP2, UCATS, WAS

**Nav Data Collected:** Yes

**Archive Data:** [20180509](#) (83 archive (plain-text) files; 6 binary files)

**Total Flight Time:** 10.7 hours

**Comments:** ATom-4 science flight RF07. This flight was based out of Punta Arenas, Chile and was an atmospheric science survey south of Punta Arenas and over Antarctica. This highly successful mission included 6 vertical profiles (two more than planned) and included a spiral climb at 86 deg S latitude to 37kft. One science instrument was inop for the flight. The science team will try to get the instrument replaced. The aircraft had one writeup for a faulty fuel quantity gage.

**Submitted by:** Timothy Moes on 05/09/18

### Flight Segments:

<b>From:</b>	SCCI - Punta Arenas	<b>To:</b>	SCCI - Punta Arenas
<b>Start:</b>	05/09/18 11:53 Z	<b>Finish:</b>	05/09/18 22:38 Z
<b>Flight Time:</b>	10.7 hours		
<b>Log Number:</b>	<a href="#">188004</a>	<b>PI:</b>	Steven Wofsy
<b>Funding Source:</b>	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
<b>Purpose of Flight:</b>	Science		

### Flight Hour Summary:

	<b>188004</b>
<b>Flight Hours Approved in SOFRS</b>	122.2
<b>Total Used</b>	133.2
<b>Total Remaining</b>	-11

### 188004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">04/06/18</a>	1249	Check	3.6	3.6	118.6	
<a href="#">04/10/18 - 04/11/18</a>	1251	Check	5	8.6	113.6	
<a href="#">04/13/18 - 04/14/18</a>	1252	Check	7.9	16.5	105.7	
<a href="#">04/24/18 - 04/25/18</a>	1253	Science	9.5	26	96.2	
<a href="#">04/26/18</a>	1254	Check	2.1	28.1	94.1	
<a href="#">04/27/18 - 04/28/18</a>	1255	Science	10.3	38.4	83.8	
<a href="#">04/29/18 - 04/30/18</a>	1256	Science	8.1	46.5	75.7	
<a href="#">05/01/18 - 05/02/18</a>	1257	Science	8.2	54.7	67.5	
<a href="#">05/03/18 - 05/04/18</a>	1258	Science	7.9	62.6	59.6	
<a href="#">05/06/18 - 05/07/18</a>	1259	Science	10.2	72.8	49.4	
<a href="#">05/09/18</a>	1260	Science	10.7	83.5	38.7	
<a href="#">05/12/18</a>	1261	Science	10	93.5	28.7	
<a href="#">05/14/18</a>	1262	Science	9.4	102.9	19.3	
<a href="#">05/17/18</a>	1263	Science	9.7	112.6	9.6	
<a href="#">05/18/18</a>	1264	Science	3.2	115.8	6.4	

<a href="#">05/19/18 -</a>	1265	Science	10.6	126.4	-4.2
<a href="#">05/20/18</a>					
<a href="#">05/21/18</a>	1266	Science	6.8	133.2	-11

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

#### Related Science Report:

### ATom - DC-8 05/09/18 Science Report

**Mission:** ATom

**Mission Summary:**

Science Flight Report -- 20180509 PUQ - PUQ Antarctica RT

**File:**

 [Flt07\\_ATom\\_Antarctic\\_20180509\\_Report.pdf](#)

**Submitted by:** Erin Czech on 05/29/18

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